UNITED STATES PATENT AND TRADEMARK OFFICE

CERTIFICATE OF CORRECTION

PATENT NO. : 7,436,175 B2
APPLICATION NO. : 10/538361
DATED : October 14, 2008
INVENTOR(S) : Charles L. Epstein et al.

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Title Page,
Item (75) **Inventors:**
After "Jeremy Magland," delete "North Wales," and insert -- Lansdale, --.

Column 2,
Lines 13-14, delete "$b_{eff}(f,t)=(f_1(t),\omega_2(t),\gamma^{-1}f)$." and insert
-- $b_{eff}(f;t)=(\omega_1(t),\omega_2(t),\gamma^{-1}f)$. (5) --.

Column 3,
Lines 13-16, delete "

$$\sigma_1=\begin{bmatrix} 0 & 1 \\ 1 & 0 \end{bmatrix}, \sigma_2=\begin{bmatrix} 0 & -i \\ -i & 0 \end{bmatrix}, \sigma_3=\begin{bmatrix} 1 & 0 \\ 0 & -1 \end{bmatrix}. \quad (11)$$

"
and insert --

$$\sigma_1=\begin{bmatrix} 0 & 1 \\ 1 & 0 \end{bmatrix}, \sigma_2=\begin{bmatrix} 0 & -i \\ t & 0 \end{bmatrix}, \sigma_3=\begin{bmatrix} 1 & 0 \\ 0 & -1 \end{bmatrix}. \quad (11)$$

--.

Column 4,
Line 11, delete "{ξ: Im>0}" and insert -- {ξ: Imξ>0} --.

Column 5,
Line 14, delete "win" and insert -- will --.

Column 6,
Line 14, after "vice-versa" insert -- . --.
Line 22, delete "arefree" and insert -- are free --.

Line 36, delete " $e^{i\phi(\xi)}{}_{r(\xi)}$ " and insert -- $e^{i\phi(\xi)}\mathbf{r}_{(\xi)}$ --.

Signed and Sealed this

Twenty-fifth Day of May, 2010

David J. Kappos

David J. Kappos
Director of the United States Patent and Trademark Office

Column 8,
Line 22, delete "$\xi_j\delta(t-j\Delta)$" and insert -- $\mu_j\delta(t-j\Delta)$ --.

Column 10,
Line 49, delete "62=0.1" and insert -- δ_2=0.1 --.
Line 51, delete "62=0.01" and insert -- δ_2=0.01 --.
Line 54, delete "82=0.1" and insert -- δ_2=0.1 --.
Line 56, delete "82=0.01" and insert -- δ_2=0.01 --.

Column 11,
Line 54, delete "(r(ξ)," and insert -- {r(ξ), --.

Column 12,
Line 34, delete "t∈ R," and insert -- ξ∈ R, --.

Column 13,
Line 48, delete "norning" and insert -- norming --.
Line 55, delete "coefficie" and insert -- coefficients and left --.

Column 18,
Line 61, delete "by:" and insert -- be the projections defined by --.

Column 19,
Line 8, delete "$И_:L^2$" and insert -- $И_:L^2(S^1)\rightarrow И^-(S^1)$ be the projections defined by --.
Line 60, delete "If$\in^{D^-}+(S^1)$," and insert -- If $g \in^{И^-+}(S^1)$, --.

Column 20,
Line 19, delete "had" and insert -- hard --.

Column 21,
Line 20, delete "t many" and insert -- that a has finitely many --.

Column 22,
Line 51, after "$r \in L^\infty(S^1)$," insert -- $\zeta_j \in^D\backslash\{0\}$, --.

Column 23,
Line 25, delete "pulse a" and insert -- pulse Ω --.
Lines 66-67, delete "profileagrees" and insert -- profile agrees --.

Column 24,
Line 6, delete "step A" and insert -- step Δ--.
Line 55, delete "pulse ω" and insert -- pulse Ω --.

Column 26,
Line 36, after "error" insert -- δ_1. --.

Column 28,
Line 7, delete "$U_{\pm j}:=I_{\pm j}P_{-j\Delta}$." and insert -- $U_{\pm j}:=T_{\pm j}P_{-j\Delta}$. --.
Line 45, delete "ext" and insert -- extend --.

Column 32,
Line 38, after "data" insert -- . --.

Column 34,
Line 34, delete "γthe" and insert -- γ_j along with the --.

Column 35,

$$-y^*_{j-1}=\frac{\Im(s_{j-1}A_{-,j-1})(0)}{\tilde{A}_{-,j-1}(0)-\Im(s_{j-1}E_{-,j-1})(0)}. \qquad (111)$$

Lines 9-12, delete " " and insert

$$-y^*_{j-1}=\frac{\Im(s_{j-1}A_{-,j-1})(0)}{\tilde{A}_{-,j-1}(0)-\Im(s_{j-1}B_{-,j-1})(0)}. \qquad (111)$$

-- --.

Line 15, delete "T recursion" and insert -- The recursion --.
Line 62, after "are" insert -- the data --.

Column 36,
Lines 30-31, delete " $f(n):=\Im i(r_j)(n+f)$ for n+j<0. " and insert -- $f(n):=\Im i(r_j)(n+j)$ for n+j<0. --.

Column 38,
Line 44, delete "typermine algorithe" and insert -- type algorithm. Rather one would specify the --.

Column 41,
Lines 41-42, after "approximation" insert -- . --.